

What is claimed is:

1. A method, comprising:
executing a program code on a first computer system;
generating debug information upon the occurrence of an error during execution of
the program code; and
transmitting the debug information to a second computer system via a network
adaptor.
2. The method of claim 1, wherein generating debug information is performed by
executing a function call in the program code to a network print driver.
3. The method of claim 2, further comprising:
halting execution of the program code during execution of the function call to the
network print driver;
transmitting the debug information to the network print driver; and
resuming execution of the program code after transmitting the debug information
to the network print driver.
4. The method of claim 1, further comprising:
building a debug information node from the debug information.
5. The method of claim 4, wherein the debug information node includes data
selected from the group consisting of: priority, time stamp, host ID, metadata, separator,
and debug information.

6. The method of claim 5, wherein the metadata includes data selected from the group consisting of: module name, sub-module name, priority, file name, and line number.
7. The method of claim 6, wherein the separator includes data selected from the group consisting of: project name and serial number.
8. The method of claim 4, wherein the first computer system is operable in accordance with the Extensible Firmware Interface (EFI) framework specification.
9. The method of claim 8, further comprising:
buffering the debug information node into a non-volatile memory upon failure to transmit the debug information node from the first computer system to the second computer system; and
re-attempting to transfer the debug information from the buffer to the second computer system.
10. The method of claim 8, further comprising:
monitoring at the second computer system traffic of a network for a debug information node from a second computer system; and
receiving the debug information node from the first computer system.
11. A method, comprising:
receiving debug information from a computer program at a filter and node builder;
building a node of debug information using configurable parameters from a configuration module;
transmitting the node through a network adaptor using a scheduler.

12. The method of claim 11, further comprising:
buffering the node into a storage device upon failure to transmit the node through
the network adaptor.
13. The method of claim 11, further comprising:
filtering debug information at the filter and node builder using the configurable
parameters from the configuration module.
14. The method of claim 13, wherein the configurable parameters are selected from
the group consisting of: priority, time stamp, host ID, metadata, separator, debug
information, module name, sub-module name, priority, file name, line number, project
name, and serial number.
15. An article of manufacture, comprising:
a machine-readable medium on which a plurality of instructions are stored, which
when executed perform operations comprising:
executing a program code stored in a first computer system;
building a debug information node upon the occurrence of an error during
execution of the program code; and
invoking a network print driver to transmit the debug information node to
a second computer system through a network adaptor.
16. The article of manufacture of claim 15, wherein the debug information node
includes data selected from the group consisting of: priority, time stamp, host ID,
metadata, separator, and debug information.

17. The article of manufacture of claim 16, wherein the metadata includes data selected from the group consisting of: module name, sub-module name, priority, file name, and line number.
18. The article of manufacture of claim 16, wherein the separator includes data selected from the group consisting of: project name and serial number.
19. The article of manufacture of claim 15, wherein the first computer system is operable in accordance with the Extensible Firmware Interface (EFI) framework specification.
20. A computer system, comprising:
a processor;
a network adaptor operatively coupled to the processor;
at least one flash device operatively couple to the processor on which firmware instructions are stored; and
at least one storage device on which computer program code is stored, which when executed by the processor performs operations comprising:
receiving debug information from a computer program upon the occurrence of an error during execution of the program code;
applying configuration parameters to the debug information to create a debug information node; and
transmitting the debug information node via the network adaptor to a remote computer.

21. The computer system of claim 20, wherein the firmware operate in accordance with the Extensible Firmware Interface (EFI) framework specification.

22. The computer system of claim 21, the debug information node includes data selected from the group of: priority, time stamp, host ID, metadata, separator, debug information, module name, sub-module name, priority, file name, line number, project name, and serial number.

23. The computer system of claim 21, wherein the network adaptor is a wired Ethernet card.

24. The computer system of claim 21, wherein the network adaptor is a wireless Ethernet card.

25. The computer system of claim 21, further comprising a user interface to set the configuration parameters.